

RCL424110**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

Individual relays for TERMSERIES

- Electromechanical relays
- Different contact materials

General ordering data

Version	TERMSERIES, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 110 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	4058590000
Type	RCL424110
GTIN (EAN)	4032248189311
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Depth	15.7 mm	Depth (inches)	0.618 inch
Height	29 mm	Height (inches)	1.142 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	17 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

Rated data UL

Certificate No. (cURus)	E522350
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Control side

Rated control voltage	110 V DC	Rated current DC	4.1 mA
Power rating	420 mW	Coil resistance	28800 $\Omega \pm 12\%$
Coil tolerance	12 %	Status indicator	No

Load side

Rated switching voltage	250 V AC	Continuous current	8 A
Max. switching frequency at rated load	0.1 Hz	Inrush current	15 A / 4 s
AC switching capacity (resistive), max.	2000 VA	DC switching capacity (resistive), max.	192 W @ 24 V
Switch-on delay	≤ 8 ms	Switch-off delay	≤ 6 ms
Contact type	2 CO contact (AgNi)	Mechanical service life	30 x 10 ⁶ switching cycles
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V		

General data

Test button available	No	Mechanical switch position indicator	No
Colour	Transparent	UL 94 flammability rating	V-2

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Clearance and creepage distances for control side - load side	≥ 10 mm	Dielectric strength for control side - load side	5 kV _{eff} / 1 min
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.	Dielectric strength of open contact	1 kV _{eff} / 1 min
Protection degree	IP20		

Further details of approvals / standards

Certificate No. (CSA)	249409-2426937	Certificate No. (VDE)	40020589
Certificate No. (cURus)	E522350		

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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Creation date June 3, 2024 3:23:52 AM CEST

Catalogue status 18.05.2024 / We reserve the right to make technical changes.

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Technical data

Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ECLASS 9.0	27-37-16-01	ECLASS 9.1	27-37-16-01
ECLASS 10.0	27-37-16-01	ECLASS 11.0	27-37-16-01
ECLASS 12.0	27-37-16-01	ECLASS 13.0	27-37-16-01

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E522350

Downloads

Engineering Data	CAD data – STEP
User Documentation	FL_TERMSERIES_RCL2CO_LOAD_GUIDE
Catalogues	Catalogues in PDF-format
Brochures	

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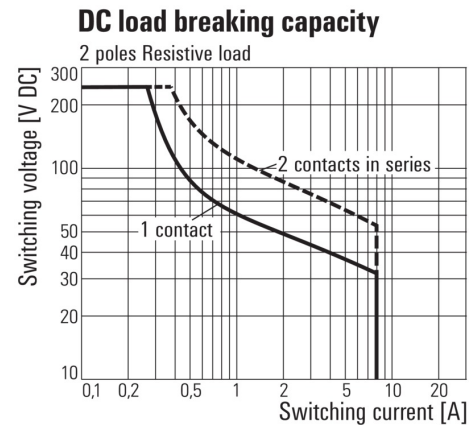
Drawings

Wiring diagram



View of Pins from below

Graph

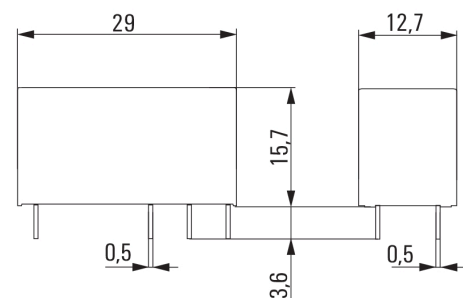


DC load limit curve
 Resistive load

Graph



Electrical service life
 250 V AC resistive load



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Accessories

PUSH IN connection



TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Type	TRP 230VUC 2CO EMPTY	Version
Order No.	2681020000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118695427	control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	
Type	TRP 120VAC RC 2CO EMPTY	Version
Order No.	2681030000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118695434	control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	
Type	TRP 120VUC 2CO EMPTY	Version
Order No.	2681010000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118695410	control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	
Type	TRP 230VAC RC 2CO EMPTY	Version
Order No.	2681190000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118695441	control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	

Tension clamp connection



TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Type	TRZ 230VAC RC 2CO EMPTY	Version
Order No.	1124180000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248906017	control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection
Qty.	10 pc(s).	
Type	TRZ 120VAC RC 2CO EMPTY	Version
Order No.	1124170000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248905904	control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection
Qty.	10 pc(s).	

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Accessories

Type	TRZ 120VUC 2CO EMPTY	Version
Order No.	1124140000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248905928	control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection
Type	TRZ 230VUC 2CO EMPTY	Version
Order No.	1124150000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248905867	control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection

Screw connection



TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Type	TRS 120VUC 2CO EMPTY	Version
Order No.	1124020000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248905812	control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 120VAC RC 2CO EMPTY	Version
Order No.	1124040000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248906178	control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 230VUC 2CO EMPTY	Version
Order No.	1124030000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248906222	control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 230VAC RC 2CO EMPTY	Version
Order No.	1124050000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248905874	control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection

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Type codes